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GROUP

| Exmr Initial | Document Number | Date | Name | Class | Sub Class | Filing Date |
|-----------------|--------------------|----------|------------------|-------|--------------|----------------|
| 722 | 4,596,697 | 6/24/86 | Ballato | 422 | 98 | |
| 722 | 4,767,719 | 8/30/88 | Finlan | 436 | 501 | |
| 722 | 5,179,028 | 1/12/93 | Vali et al. | 436 | 524 | |
| 722 | 5,283,037 | 2/1/94 | Baer et al. | 422 | 82.01 | |
| 722 | 5,296,374 | 3/22/94 | Culshaw et al. | 435 | 287.9 | |
| 722 | 5,306,644 | 4/26/94 | Myerholtz et al. | 436 | 149 | |
| 722 | 5,571,401 | 11/5/96 | Lewis et al. | 205 | 782 | |
| 722 | 5,698,089 | 12/16/97 | Lewis et al. | 205 | 782 | |
| 722 | 5,705,399 | 1/6/98 | Larue | 436 | 501 | |
| 722 | 5,770,038 | 6/23/98 | Iwama et al. | 205 | 725 | |
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| Examiner | Karl W. Brown | | | Date Considered 11-25-01 |

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Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

LIST OF PRIOR ART CITED BY APPLICANT

IN AN APPLICATION
(Use several sheets if necessary)Atty. Docket Number
1012-001

Serial Number:

09/210,485

Applicant(s): Mansky et al.

Filing Date:

12/11/98

Group:

2857
2858

U.S. PATENT DOCUMENTS

| *EXAMINER TRIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|--------------------|--------------------|----------|-----------------|-------|----------|-------------------------------|
| rev | 3,266,307 | 8/16/66 | DeWinter | 73 | 190 | |
| rev | 3,789,662 | 2/5/74 | Zettler, et al. | 73 | 190 | |
| rev | 4,350,446 | 9/21/82 | Johnson | 374 | 13 | |
| rev | 4,874,250 | 10/17/89 | Gonner | 374 | 43 | |
| rev | 5,224,775 | 7/6/93 | Reading, et al. | 374 | 11 | |
| rev | 5,228,114 | 7/13/93 | Suzuki | 392 | 416 | |
| rev | 5,335,993 | 8/9/94 | Marcus, et al. | 374 | 11 | |
| rev | 5,346,306 | 9/13/94 | Reading, et al. | 374 | 10 | |
| rev | 5,439,291 | 8/8/95 | Reading | 374 | 11 | |
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| rev | 5,474,385 | 12/12/95 | Reading | 374 | 11 | |

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Sullivan, P.F. and G. Seidel "Steady-state, AC-temperature calorimetry" Physical Review
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EXAMINER

244 Wabman

DATE CONSIDERED:

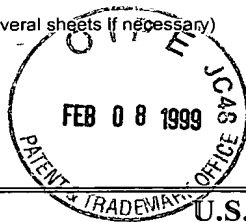
11-25-01

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Patent and Trademark Office - U.S. DEPARTMENT OF COMMERCE

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|---|-----------------|----------------------------------|---------------------|---------------------------------------|----------|----------------------------|---|
| Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | Atty. Docket Number 1012-001 | | Serial Number: 09/210,485 | | | |
| LIST OF PRIOR ART CITED BY APPLICANT IN AN APPLICATION <i>(Use several sheets if necessary)</i> | | Applicant(s): Mansky et al. | | | | | |
| | | Filing Date: 12/11/98 | | Group: <u>2857</u> 2858 | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *EXAMINER TRIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | |
| <i>90w</i> | 5,525,300 | 6/11/96 | Danssaert, et al. | 422 | 99 | | |
| <i>90z</i> | 5,599,104 | 2/4/97 | Nakamura, et al. | 374 | 12 | | |
| <i>90w</i> | 5,601,141 | 2/11/97 | Gordon, et al. | 165 | 263 | | |
| <i>90w</i> | 5,779,362 | 7/14/98 | Lightfoot | 374 | 33 | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> | | | | | | | |
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| EXAMINER <i>H. H. H. H. H.</i> | | DATE CONSIDERED: <i>11-25-01</i> | | | | | |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |

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| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 65304-039 | SERIAL NO. 09/210,485 |
| Information Disclosure Statement by Applicant- (Use several sheets if necessary) | | APPLICANT Mansky et al. | |
| | | FILING DATE December 11, 1998 | GROUP <i>2857</i> |



U.S. PATENT DOCUMENTS

| Exmr Initial | Document Number | Date | Name | Class | Sub Class | Filing Date |
|--------------|-----------------|----------|-----------------|------------|---------------|-------------|
| <i>Jon</i> | 4,423,371 | 12/27/83 | Senturia et al. | <i>324</i> | <i>663</i> | |
| <i>Jon</i> | 4,448,943 | 5/15/84 | Golba et al. | <i>526</i> | <i>59</i> | |
| <i>Jon</i> | 4,571,543 | 2/18/86 | Raymond et al. | <i>324</i> | <i>425</i> | |
| <i>Jon</i> | 4,675,674 | 6/23/87 | Hope | <i>340</i> | <i>870.13</i> | |
| <i>Jon</i> | 4,710,550 | 12/1/87 | Kranbuehl | <i>526</i> | <i>60</i> | |
| <i>Jon</i> | 4,891,591 | 1/2/90 | Johnston et al. | <i>324</i> | <i>234</i> | |
| <i>Jon</i> | 5,063,081 | 11/5/91 | Cozzette et al. | <i>435</i> | <i>4</i> | |
| <i>Jon</i> | 5,095,278 | 3/10/92 | Hendrick | <i>324</i> | <i>687</i> | |
| <i>Jon</i> | 5,164,319 | 11/17/92 | Hafeman et al. | <i>435</i> | <i>287.1</i> | |
| <i>Jon</i> | 5,345,213 | 9/6/94 | Semancik et al. | <i>338</i> | <i>39</i> | |
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| <i>Jon</i> | | | "Thermodynamic Measurements of Magnetic Ordering in Antiferromagnetic Superlattices," E.N. Abarra, K. Takano, F. Hellman, and A.E. Berkowitz, <u>Physical Review Letters</u> , Vol. 77, No. 16, October 14, 1996, pp. 3451-3454. |
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| Examiner | <i>Karl W. Williams</i> | | Date Considered <i>11-25-01</i> |

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SERIAL NO.
09/210,485

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| Exmr Initial | Document Number | Date | Name | Class | Sub Class | Filing Date |
|--------------|-----------------|---------|-----------------------|-------|-----------|-------------|
| 12 | 5,532,128 | 7/2/96 | Eggers et al. | 435 | 6 | |
| 12 | 5,533,393 | 7/9/96 | Bonne et al. | 73 | 335.02 | |
| 12 | 5,534,111 | 7/9/96 | Hocker et al. | 216 | 15 | |
| 12 | 5,557,972 | 9/24/96 | Jacobs et al. | 73 | 256 | |
| 12 | 5,597,957 | 1/28/97 | Schieferdecker et al. | 73 | 255 | |
| 12 | 5,602,393 | 2/11/97 | Gerard | 250 | 338.4 | |
| 12 | 5,622,633 | 4/22/97 | Ohtsuka et al. | 438 | 53 | |
| 12 | 5,632,957 | 5/27/97 | Heller et al. | 422 | 68.1 | |
| 12 | 5,634,718 | 6/3/97 | Martinis et al. | 374 | 32 | |
| 12 | 5,635,845 | 6/3/97 | Strong et al. | 324 | 693 | |
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| ✓ | | “An Ultrahigh Vacuum Single Crystal Adsorption Microcalorimeter,” C.E. Borroni-Bird and D.A. King, <u>Rev. Sci. Instrum.</u> , Vol. 62, No. 9, September 1991, pp. 2177-2185. |
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| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 65304-039 | SERIAL NO. 09/210,485 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) | | APPLICANT Mansky | |
| | | FILING DATE Herewith | GROUP 207 |

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| Exmr Initial | Document Number | Date | Name | Class | Sub Class | Filing Date |
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| for | 5,653,939 | 8/5/97 | Hollis et al. | 422 | 00 | |
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| for | 5,783,805 | 7/21/98 | Katzmann | 219 | 494 | |
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| for | | "A Class of Cobalt Oxide Magnetoresistance Materials Discovered with Combinatorial Synthesis," Gabriel Briceno, Hauey Chang, Xiaodong Sun, Peter G. Schultz, X.D. Xiang, <u>Science</u> , Vol. 270, October 13, 1995, pp. 273-275. |
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| <i>Rev</i> | | | "Heat Capacity Cryostat and Novel Methods of Analysis for Small Specimens in the 1.5-10 K Range," E.M. Forgan and S. Nedjat, <u>Rev. Sci. Instrum.</u> , Vol. 51, No. 4, April 1980, pp. 411-417. |
| <i>Rev</i> | | | "Thermal Conductivity and Diffusivity Measurements in the sub- μ s Scale on Centimeter Area Samples Using a Microthermocouple," R. Forster and E. Gmelin, <u>Rev. Sci. Instrum.</u> , Vol. 67, No. 12, December 1996, pp. 4246-4255. |
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GROUP 21

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| Mr | | Abstract, "Microcalorimetric Study of the Acidic Character of Modified Metal Oxide Surfaces. Influence of the Loading Amount on Alumina, Magnesia, and Silica," A. Gervasini, <u>Langmuir</u> , Vol. 12, 1996, pp- 5356-5364. <u>1 page. NO. 12</u> |
| Mr | | "Modulated-bath Calorimetry," J.E. Graebner, <u>Rev. Sci. Instrum.</u> , Vol. 60, No. 6, June 1989, pp. 1123-1128. |
| Mr | | "Specific Heat of Granular Aluminum Films," R.L. Greene, C.N. King, and R.B. Zubeck, <u>Physical Review B</u> , Vol. 6, No. 9, November 1, 1972, pp. 3297-3304. |
| Examiner | <i>Handwritten Signature</i> | Date Considered <u>11-25-01</u> |

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

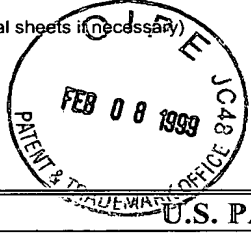
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| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 65304-039 | SERIAL NO. 09/210,485 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) | | APPLICANT Mansky | |
| | | FILING DATE Herewith | GROUP 2807 |



U.S. PATENT DOCUMENTS

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| Examiner | [Signature] | | Date Considered 6/1/25/01 |

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| ✓ | | | "Determination of Complex Shear Modulus with Thickness Shear Mode Resonators," Ralph Lucklum, Carsten Behling, Richard W. Cernosek, and Stephen J. Martin, <u>IOP Publishing</u> , September 1996, pp. 346-356. |
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| Examiner <i>Harold W. Harrison</i> | | | Date Considered <i>11-25-02</i> |

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GROUP 2100

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Form PTO-1449
U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

Atty. Docket Number

1012-001 AUG 07 2000

Serial Number:

09/210,485

LIST OF PRIOR ART CITED BY APPLICANT

IN AN APPLICATION

(Use several sheets if necessary)

Applicant(s): Mansky et al

Filing Date:

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Group:

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U.S. PATENT DOCUMENTS

| *EXAMINER TRIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|--------------------|--------------------|----------|---------------|-------|----------|-------------------------------|
| 201 | 5,641,391 | 06/24/97 | Hunter et al. | 205 | 80 | |
| 201 | 5,667,667 | 09/16/97 | Southern | 205 | 687 | |
| 201 | 6,093,302 | 07/25/00 | Montgomery | 205 | 122 | |
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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS

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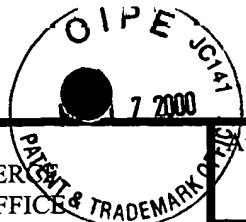
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| Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF PRIOR ART CITED BY APPLICANT IN AN APPLICATION (Use several sheets if necessary) | Atty. Docket Number 1012-001 | Serial Number: 09/210,485 |
| | Applicant(s): Mansky et al. | |
| | Filing Date: 12/11/98 | Group: 2858 |

U.S. PATENT DOCUMENTS

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| <i>je</i> | 6,079,873 | 06/27/2000 | Cavicchi et al. | 374 | 10 | |
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| EXAMINER <i>Jeffrey W. ...</i> | DATE CONSIDERED: <i>11-25-01</i> |
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| Substitute for form 1449B/PFO | | | | <div style="text-align: right;"> Compl te if Known </div> | |
| <div style="text-align: center;"> INFORMATION DISCLOSURE STATEMENT BY APPLICANT </div> <div style="text-align: center; margin-top: 10px;"> <i>(use as many sheets as necessary)</i> </div> | | | | Application Number | 01P-09/210,428 09/210,086 |
| | | | | Filing Date | Dec 11, 1998 |
| | | | | First Named Inventor | MANSKY, Paul |
| | | | | Group Art Unit | 2807 |
| | | | | Examiner Name | |
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| Examiner Signature | <i>Hal W. [illegible]</i> | Date Considered | 11-25-01 |
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¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

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| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | Complete if Known | |
| | | Application Number | 09/210,485 |
| | | Filing Date | 12/11/98 |
| | | First Named Inventor | Paul Mansky |
| | | Group Art Unit | 2858 |
| | | Examiner Name | H. Wachsman |
| | | Attorney Docket Number | 1012-001(98-23) |
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| Examiner Signature | <i>K. L. Williams</i> | Date Considered | <i>11-25-01</i> |
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

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| Application Number | 09/210,485 |
| Filing Date | 12/11/1998 |
| First Named Inventor | Paul Mansky |
| Group Art Unit | 2858 |
| Examiner Name | H. Wachsman |
| Attorney Docket Number | 1012-001(98-23) |

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| Examiner Signature | <i>Hal W. [Signature]</i> |
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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| <i>Dr</i> | | | "Micron Scale Differential Scanning Calorimeter," http://www.cstl.nist.gov/div836/836.04/SensorProj/Microcal.html. <i>page 1-5 (No date)</i> |
| <i>Dr</i> | | | "Sensor Platforms," http://www.cstl.nist.gov/div836/836.04/SensorProj/SensorPlatforms.html. <i>(No date)</i> |
| Examiner <i>Paul W. Barry</i> | | Date Considered <i>11-05-01</i> | |

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